

Date: Mon, 26 Apr 93 04:30:14 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #498
To: Info-Hams

Info-Hams Digest Mon, 26 Apr 93 Volume 93 : Issue 498

Today's Topics:

1. ICOM-22S, 2. AM Modulation
CELLULAR ANTENNAS
Equipment for a shuttle contact?
IC290 Mods
Mods for Ten Tec Paragon ?
New Ed.--ARRL Used Equipment Guide
no-code defense
TOUCH LAMP INTERFERENCE (2 msgs)
What offsets are used for vhf-hi public service repeaters
While I was out.....

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 25 Apr 93 01:36:01 GMT
From: news-mail-gateway@ucsd.edu
Subject: 1. ICOM-22S, 2. AM Modulation
To: info-hams@ucsd.edu

>I'll post instructions for the IC22S mod when I finish hooking up the
>TNC and confirm it works. (And will acknowledge all those who sent
>advice on it also)
>Steve KD4TTC

Steve, TechnoLogic Concepts, 1803 Mission St., Suite 308i, Santa Cruz,
CA 95060, has a kit for the ICOM-22S which allows it to cover 144.62 to
147.99 in 5KHz steps with 600KHz offsets...KG7BK

> I have a quick question about AM modulation systems. I wondered why most
>broadcast transmitters modulate the final RF stage? Are there any
>disadvantages to modulating stages prior to the final RF stage.
>Best Wishes,
>Henry.

Henry, modulating the final amplifier directly allows it to run in class C (nonlinear) mode with an efficiency approaching 75%. It is not true for FM, SSB or CW, but when you modulate your AM signal before you amplify it, you can only approach 25% efficiency with a class A linear amplifier or 50% with a class B linear amplifier. I laugh at the CBers who pay \$75 for a twenty five watt linear amplifier, put their 5 watts of AM into it and get 5 watts of AM out of it. They're almost legal...Hi, Hi...KG7BK

Cecil_A_Moore@ccm.hf.intel.com

Date: 25 Apr 93 02:52:11 GMT
From: ogicse!uwm.edu!ux1.cso.uiuc.edu!news.cso.uiuc.edu!enterprise.ifp.uiuc.edu!erini@network.UCSD.EDU
Subject: CELLULAR ANTENNAS
To: info-hams@ucsd.edu

I was wondering if anyone knew who the big producers of cellular antennas are, what their specs are, how much they cost, and contact persons....

i have a paper due in a couple of days and can't find any info on the topic....

e-mail me at erini@ifp.uiuc.edu if you have some info.

thanks..

Date: 24 Apr 93 23:01:33 GMT
From: ogicse!flop.ENG.OST.EDU!gaia.ucs.orst.edu!sequent!muncher.sequent.com!washer@network.UCSD.EDU
Subject: Equipment for a shuttle contact?
To: info-hams@ucsd.edu

In article <1993Apr16.131143.7058@ke4zv.uucp> gary@ke4zv.UUCP (Gary Coffman)

writes:

>For uplink, a little power is nice. I can work MIR easily with a 160

>watt KLM amp on the vertical.

>Gary

Dont give up if your running a 'small station'. I've worked MIR countless times (read >10) using an ht (5 watts) and a so-239/brass_welding_rod ground plane at 10 feet.... Best bet is LATE_NIGHT/EARLY_MORNING when your not in such competition...

btw... this is packet, not voice..

- jim kg7hh washer@sequent.com

Date: Fri, 23 Apr 1993 21:56:55 +0000

From: pipex!demon!cix.compulink.co.uk!dplumb@uunet.uu.net

Subject: IC290 Mods

To: info-hams@ucsd.edu

A friend is using the IC290 as a transverter for HF and needs the mods to extend the TX to the USA spec, 144-148, instead of the current 144-146. Can anyone supply the information please?

+-----+-----+-----+
| Dave Plumb | Internet: dplumb@cix.compulink.co.uk | Fido: 2:252/21.27 |
| Enfield, UK | Packet : G7MIL @ GB7HSN.#32.GBR.EU | +-----+
+-----+-----+-----+

Date: Sat, 24 Apr 93 18:58:35 GMT

From: mcsun!sun4n1!bsoatr!bsdihi!dihi@uunet.uu.net

Subject: Mods for Ten Tec Paragon ?

To: info-hams@ucsd.edu

A friend is using his Ten Tec paragon for daily contact on 40 m with a maritime-mobile station sailing somewhere in the caribbean. He updated the rom from version 3.2 to 3.9, hooked up the RS-232 interface but has some receiver trouble.

- When working within 7.5 kc from a stron station it is hard to work in phone on 40/20 and 15 mtrs.
- When tuning over very strong stations, whistles are heard next to the carrier freq.

After this experience he connected the set to a signal generator. At sig levels of 500 uV overload occurred and extra signals and noise was heard, especially within 15 kc of the 75 Mc filter.

Are there any known mods to deal with this problem? i.e. other diodes in the high pass filter?? Is another mixer an option ? i.e. using a Plessey SL16440?

Any suggestions welcome!

Dick Hissink PA3DSP
Email:dihi@bsdihl.atr.bso.nl

Date: 25 Apr 93 21:57:35 GMT
From: haven.umd.edu!darwin.sura.net!sgiblab!news.cs.indiana.edu!bsu-cs!news.nd.edu!lafmac30@uunet.uu.net
Subject: New Ed.--ARRL Used Equipment Guide
To: info-hams@ucsd.edu

I understand that a new edition of the ARRL guide to used ham equipment is forthcoming, or perhaps even already out. Does it contain all the information in the 1991 edition, or is it more of a supplement, treating models not already covered? No doubt I will get an authoritative answer on this one, since ARRL staff post here often!

TNX de N9SQE/AA (working on extra, and still rigless!)

Date: 24 Apr 93 16:53:14
From: sun-barr!news2me.EBay.Sun.COM!exodus.Eng.Sun.COM!appserv.Eng.Sun.COM!appserv!rfm@ames.arpa
Subject: no-code defense
To: info-hams@ucsd.edu

In article <1993Apr24.110011.23106@anomaly.sbs.com> kd1hz@anomaly.sbs.com (Rev. Michael P. Deignan) writes:

miked@nauvax.ucc.nau.edu writes:

>I am currently a no-code (N7YIR)....
>I do not have a lot of "extra" time to study code.

If you're so busy, how did you have time to study the Element 2 and 3A question pools?

Don't want to answer for Mike, but all it took for me to pass the written was a few hours of reading, randomly scattered over a few weeks. After all, most of the "theory" is old hat or guessable to anybody that remembers E&M from college physics and most of the regulation questions can be answered by applying common sense, which leaves only trivia like band edges and a little operating knowledge to learn.

Compare that to code which seems to need a half hour *every day* for several weeks.

Rich, KD6GZW [yes, no-code, and no-particular-desire-to-learn-it-either]

--

Rich McAllister (rfm@eng.sun.com)

Date: Sun, 25 Apr 1993 03:26:02 GMT
From: news.cerf.net!pagesat!spssig.spss.com!feenix.metronet.com!
marcbg@network.UCSD.EDU
Subject: TOUCH LAMP INTERFERENCE
To: info-hams@ucsd.edu

Help! I've got two touch-sensitive desk lamps in my bedroom that absolutely wreak havoc on my HF rig! I have to unplug them so that I can work! My wife loves the lamps, so I'd like to find a way to eliminate the noise - any suggestions???????

--

Marc Grant	Internet: marcbg@feenix.metronet.com	
POB 850472	Amateur Radio Station N5MEI	
Richardson, TX 75085	Voice/Fax: 214-231-3998	

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Date: 25 Apr 1993 15:02:50 GMT
From: news.service.uci.edu!ucivax!news.claremont.edu!elroy.jpl.nasa.gov!
news.larc.nasa.gov!grissom.larc.nasa.gov!kludge@network.UCSD.EDU
Subject: TOUCH LAMP INTERFERENCE
To: info-hams@ucsd.edu

In article <C60s7F.4vL@feenix.metronet.com> marcbg@feenix.metronet.com (Marc Grant) writes:

>Help! I've got two touch-sensitive desk lamps in my bedroom that
>absolutely wreak havoc on my HF rig! I have to unplug them so that I can
>work! My wife loves the lamps, so I'd like to find a way to eliminate the
>noise - any suggestions???????

This should probably be an FAQ.

The answer is that there is no way to prevent touch lamps from interfering with the HF bands, and there is also no way to prevent local RF from your rig from turning the lights on and off randomly.

It's a wonder that the FCC approved touch lamps anyway, since I would expect that most of them are in violation of part 15. They really are something of an abomination. I used to be able to pick up my neighbors' lamp all across the bands and he lives half a mile away on the other side of a hill. I DFed the thing, thinking it was a power line problem somewhere.

--scott

Date: 25 Apr 93 16:14:47 GMT
From: ogicse!flop.ENG.RORST.EDU!gaia.ucs.orst.edu!sequent!muncher.sequent.com!washer@network.UCSD.EDU
Subject: What offsets are used for vhf-hi public service repeaters
To: info-hams@ucsd.edu

Can anyone tell me what offsets are used on public service vhf-hi (154MHz) repeaters? Is it always the same (like 2meter ham is now)?

Just in case you're wondering why I want this info, I'd like to play with DF-ing public service vehicles.

- jim KG7HH washer@sequent.com

Date: Sat, 24 Apr 1993 20:29:38 GMT
From: price@cod.nosc.mil
Subject: While I was out.....
To: info-hams@ucsd.edu

Um, I guess I didn't pay enough attention about the rec.radio.amateur reorg msgs. Where has everyone gone? Please send me a list of the new newsgroup names and, perhaps, a capsule summary of their focus. I'm probably most interested in operating things, DX, etc.

Thanks, and looking forward to seeing you all again!--Jim, K6ZH
price@nosc.mil

Date: 25 Apr 93 14:06:37 GMT
From: anomaly.sbs.com!kd1hz@uunet.uu.net

To: info-hams@ucsd.edu

References <20APR93.19314607@nauvax.ucc.nau.edu>,
<1993Apr24.110011.23106@anomaly.sbs.com>, <RFM.93Apr24165314@urth.eng.sun.com>
Subject : Re: no-code defense

rfm@urth.eng.sun.com (Richard McAllister) writes:

>Compare that to code which seems to need a half hour *every day* for several
>weeks.

Several people in this area, KD1NR included, were able to pass their Element
1A with brief studying for several days (slightly or no more than the time
required to study the 3A pool...)

MD

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--  
-- Michael P. Dignan / Sex is hereditary. If your  
-- Domain: mpd@anomaly.sbs.com / parents never had it, chances  
-- AT&TNet: +1 401 273 4669 / are you won't either...  
-- Telebit: +1 401 455 0347 /
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End of Info-Hams Digest V93 #498
